1	GC	ACG	AGC	:CGC	GGC	CGC	GGI	ccc	CGC	AGC										GTGC	
1											M	<u>G</u>	G	R	_R_	G	<u>R</u>	<u> W</u>	G	<u>.c</u>	
61	AG	GCT	GCI	· CGC	ACT	GCI	GCI	ACT	GGI	GCC	TGG	ACC	CGG	CGG	ccc	CTC	TGA	GAT	CAC	CTTC	
11													G		A	s	E	I	Т	F	•
121	GA	GCT	TÇC	TGA	CAA	\CGC	CAA	.GCA	GTC	CTI	CTA	.CGA	.GGA	CAT	CGC	TCA	GGG	CAC	CAA	GTGC	
31	E	L	P	D	·N	A	ĸ	Q	С	F	Y	E	D	Ι	A	Q	G	т	K	С	5
181	AC	CT	GGA	GTI	CCA	GGI	GAT													AGAT	:
51	т	L	E	F	Q	V	I	т	G	G	н	Y	D	V	D	С	R	L	E	D	-
241																				CACA	:
71	₽	D	G	K	٧	L	Y	K	E	М	K	K	Q	Y	D	s	F	T	F	T	9
301														TGA E	ATT F	TTC	TAC T			ACAT H	3
91	A	S	K	N	ن	T	Y	K	r	Ç	F	٥	īA	<u>-</u>	r	3	•	r	1	n.	-
																GTT F	TCC P	TAG S	TGA E	GAAC N	4
111	ĸ	т	V	Y	F	D	F	Q	V	G	E	D	P	₽	L	r		3	Ē	N	•
421																				TTTA	4
131	R	V	s	Ą	L	Т	Q	٧	N	K	K	I	S	N	1.	М	L	٧	Y	L	
481														CTG.	ATG.	AGC.	ATG	GAA	TTT	rgag	9
151	K	G	G	K	K	Н	N	L	I	S	С	T	N								1
541	AC.	rga(CAG	TCT	TTA	AAA	TCT	ATC	TTA	ATT	CTT.	ACA:	rgr	AGG	CAT	TTC.	ACA	GAG	AAC	TTCA	6
601	GAC	ململت	MG	TAG	TGA	AAA	ATA	ATG	TTG	AAA	GAT	PPT.	ATG	AAC	rrr	TAA'	TTG	TAA	AGA	GAAA	. 6
				•																•	
661	GA	AGC.	ATT.	AAA	ATA	AGG	AGG	AAG	ATC	ACT.	AAG	GTA	GAA	ACA'	rca:	GTG	GTA	AAA	GAA	GGTT	•
721	GGG	SAAG	GC	IGA	GCA	GTG	TTC	CAA	TCT	TCT	GAA	GCA'	rrr.	ICT	rta.	ATC	CCT	GAA	GGA	ATGT	-
781	mc.	ت کلیہ	י מייעז	Tac	מרים	CCA		ייברי	יויביית	ממ	TCC:	אמי	~AA	AAT(TATE	3CC	AAT	ልሞቦ:	AGT	AGAT	8
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341	AAA	TA	ATA	CCA	TAT	CAT.	AGC	CTT	TAT.	ACC	ATT	ACT	rag:	IGT.	rac'	rca:	AGC	IGC	rgt:	AACA	9
901	GTA	AC.	· rtg	IGA	TGT.	AAC	TTT	AGG	TGA	AAT.	ATT	GAA	GAT!	raa:	rgg	raac	GTC.	ATC	rca	CAAA	9
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L081	CAGCAAAATCCAAAATCCTTCAAAATCCAAAACTTTTTTTT	1140
1141		1200
L20 1	CCTTAAGGCTGCATGTATAAGGCATATATGAAACATAAATGAATTTCATGTCTAGACCTG	1260
.261		1320
.321	TGAAATTCAAAGCACTTCTGGTCCCAAACATTTTGGATAAGGGATACTCAACCTGTATGG	1380
.381		1440
441	TCGTTAACATCTTAAACTGGTATTTTAGTGTTCCCAGGGTTCTATTTAGTCTCTTGGCCA	1500
501	AAGTCATGGTGAAAGAAACAGCTTTAAGAATGTGTAAAAAGCCTTAATTCATAAAACCTGTT	1560
561		1620
621	AGGTCTTGTGTGAAGGACCCCTTGCTTTGTAAAATGATATTTCTTTGGGGCCATTACCTT	1680
681	AACCTGTATCCATTCCTTCATGAATTTTAACTTGTATAAGGTGGCTTGTTCTAAAAACCT	1740
741		1800
9 0 1		

1	GC	CAC	AGC	CCGC	CCC	GGG	TCC	CCC	CAC											CAGG	
1										M	G	G	R	_ R	_G	P	W	G	С	R	, 11
6 1	~	*:	r	٠,	لمحتما	YY	דיים מיו	1221	~~~	-TYT	:acc	יביי		•	·	ביידי	דבטו	~ ac	لملت	YGAG	120
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121	CI	TCC	TG	ACAA	CGC	CAA	AGCA	GTC	CTI	CTA	LCG/	\GGA	CAI	'CGC	TCA	GGC	CAC	CAA	GTC	CACC	180
32							Q														51
							_														
181																				TCCT	
52	L	E	F	Q	V	I	T	G	G	Н	Y	D	V	D	С	R	L	E	D	₽	71
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72	ט	G	K	٧	L	¥	K	£	M	K	А	Q	I	ע	3	F	1	r	1	A	31
301	TYC:	ממי	מממ	1720	CAC	מידמ	440.	Δኅግ	فكلملة	لملم	CAG	CAA	TÇΑ	ATT	TTC	TAC	TTT	CAC	'ACA	- AAAT	360
92																				ĸ	
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361	AC	TGI	'АТА	TTT	TGA	TTT	TCA	AGT	TGG	AGA	AGA	.ccc	ACC	TTT	GTT	TCC	TAG	TGA	GAA	CCGA	420
L12	T	v	Y	F	D	F	Q	V	G	Ε	D	P	P	L	F	P	S	E	N	R	131
																	•			•	
_																				GTCT	
L32	V	S	A	L	T	Q	M	Ē	S	A	С	V	S	I	Н	Ε	A	L	K	S	151
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L52	٧	T	ט	Y	Q	T	н	r	ĸ		K	Ē	A	Q	G	х	٦	Т	A	Ē.	1/1
41	GA	ידיאו	AAA	· TAC	AAG	AGT	GGC	CTA:	TTG	GTC.	AGT	AGG	AGA	AGC	CCT	CAT	rcr	TCT	GGT	GGTT	600
72																				V	
•																					
01	AG	CAT	AGG	GCA	GGT	ATT	TCT	LLLA	GAA	AAG	CTT	rrr	CTC	AGA'	TAA.	AAG	AAC	CAC	CAC	AACT	660
.92	s	I	G	Q	V	F	L	L	K	S	F	F	S	D	K	R	T	T	T	T	211
				•			•				•			•			•		<u>.</u>		
					ATA	ACT	ACG'	L.I.I.	TGA/	GAA'	I'IG.	ATG	CAC	CAT	rgc	LAC	rgr.	AAT.	AT'IY	GCTG	
12	R	V	G	S	*																215
21	TYC4	-	יג גיי	י. מידים:	ململه	יע יוציז	رست	ΔСΤΥ	מ בר	222	العلم. •	מידעע	אַדידיב	3GC	AAC	ململ	الملمة. •	ימממ	T(-(-	PTAC	780
21	10	-10	ım	+ + 172		1170	<b>GG 1</b> 2		-12 12 W				•••							•	
81	TC	ATA	CAC	TTG:	ITG	3GA	GGG	ATG	FAC	YTAA	GCA	rati	rec	CAA	ACTO	FIG	GAA	AGG	ACA	CTT	840
41	TT.	TT.	TTA	TGT2	AAA	<b>GT</b> (	GGA/	AAA	ACT	rtg	GAA(	CTC	ATT!	MG	GC.	CAT.	rca:	rgt.	raa?	TAT	900
							•				•						•				
01	TC	\AC	ACC	YTAA	CATC	TAC	CIC	rgr:	rcg	CAG	rrg:	TT	'TAT	CTA	CTC	TTC	:GC!	\CA(	CTA	AACT	960
				· ·			•							•							1000

1021	TAAAAACTTTAGATTTAATGTCTACATGTGTTAGGGAGGAAGAAATTGCCTTTTAATTG	1080
1081	TTAATAAGAAAACCAAATGTGATGAACTGTAGCCCAAGCCCTATTCTGCACTGTTCAGTT	1140
1141	TTATGGAGGAAAAATAAATCTACCATAGGAATGTTAGTTA	1200
1201	AATTGATTTCTCACTAGCTTAGAAAATGTCAGACTTTTGTTTTTGGGGTTTATAATTTAA	1260
1261	ACCAGCTATGCTATTTTTCATAAAGGCATTTGTAGTACACAGAAAAACAGTAGTTTCAG	1320
1321	TAGTGTAAAAGAGTTTATACAGGCCTTAAATATCAGACTTTGTAACAGGTAGAAATATTA	1380
1381	CAGAAATAATTTAAGACACTACAATGGGGGCAAATGAAATAGGAAAATTTTTAGTGAGTT	1440
L441		1500
L501	AAAATTTTAATTGGGCTAGCTCTTGCCCTTATATGACTTTAATGTCTGTGAGTCATTCCC	1560
561	ACCOMMA A ARMA A CA A RECONACIDA CIDA CIDA CIDA CIDA CIDA CIDA CIDA	

# HETDW91 x HuT1ST2RBP

9	GCRLLALLLLVPGPGGASETTFELPDNARQCFYEDLAQGTK	49
	:.    :  :  :.    ::   :      ::      :      ::   :	
6	AALALALWLLMPPVEVGGAGPPPIQDGEFTFLLPAGRKQCFYQSAPANAS	55
50	CTLEFQVITGGHYDVDCRLEDPDGKVLYKEMKKQYDSFTFTASKNGTYKF	99
56	LETEYQVIGGAGLDVDFTLESPQGVLLVSESRKADGVHTVEPTEAGDYKL	105
100	CFSNEFSTFTHKTVYFDFQVGEDPPLFPSENRVSALTQVNKKISNI.	145
	11.1.11: 1:1:: : :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::   :::	
106	CFDNSFSTISEKLVFFELIFDSLQDDEEVEGWAEAVEPEEMLDVKMEDIK	155
L46	MLVYLKGGKKHNLISCT 162	
	:: ::.:	
L56	ESIETMRTRLERSIQMLTLLRAFEARDRNLQEGN 189	

#### HE8CV92 x HuT1ST2RBE

4	RRGPWGCRLLALLLLVPGPGGASEITFELPDNAKQCFYEDI	44
	:: :.    :  :  :.    ::      :	
1	${\tt MMAAGAALALALWLLMPPVEVGGAGPPPIQDGEFTFLLPAGRKQCFYQSA}$	50
45	${\tt AQGTKCTLEFQVITGGHYDVDCRLEDPDGKVLYKEMKKQYDSFTFTASKN}$	94
	· · · · · ·   ·	-
51	PANASLETEYQVIGGAGLDVDFTLESPQGVLLVSESRKADGVHTVEPTEA	100
95	${\tt GTYKFCFSNEFSTFTHKTVYFDFQVGEDPPLFPSENRVSALTQMESACVS}$	144
	1.[[:][.].[]:] [:]:: .: [.:]:]	
101	GDYKLCFDNSFSTISEKLVFFELIFDSLQDDEEVEGWAEAVEPEEMLDVK	150
	· · · · · · · · · · · · · · · · · · ·	
145	IHEALKSVIDYQTHFRLREAQGRSRAEDLNTRVAYWSVGE	184
	1: 1: Hilled: Hilled	
151	${\tt MEDIKESIETMRTRLERSIQMLTLLRAFEARDRNLQEGNLERVNFWSAVN}$	200
	• '	
185	ALILLVVSIGQVFLLKSFFSDKRTTTT 211	
	- :[]:[-: []   [].[]   [][	
201	VAVLLLVAVLQVCTLKRFFQDKRPVPT 227	

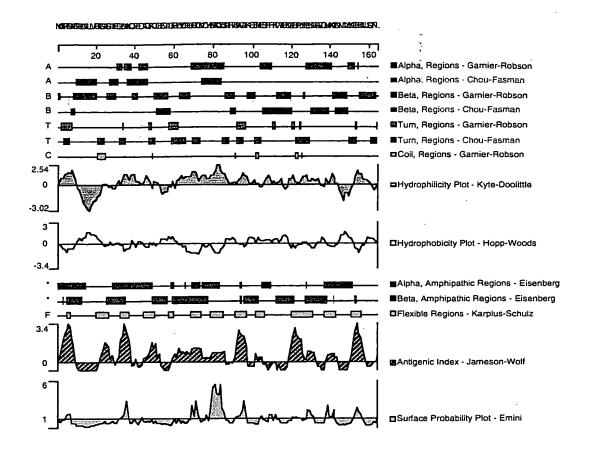
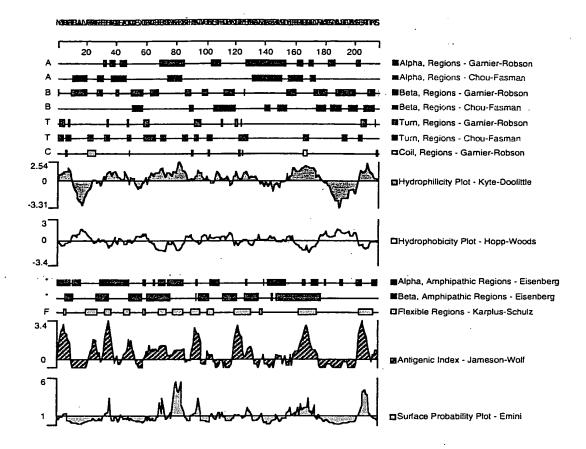


Fig. 4A



Human T1-receptor ligand amino acid (GenBank accession number: U41804; SEQ ID NO:5)

MMAAGAALALWLLMPPVEVGGAGPPPIQDGEFTFLLPAGRKQCFYQSAPA NASLETEYQVIGGAGLDVDFTLESPQGVLLVSESRKADGVHTVEPTEAGDYKLC FDNSFSTISEKLVFFELIFDSLQDDEEVEGWAEAVEPEEMLDVKMEDIKESIETM RTRLERSIQMLTLLRAFEARDRNLQEGNLERVNFWSAVNVAVLLLVAVLQVCT LKRFFQDKRPVPT

#### HETDW91R (SEQ ID NO:6)

GGCANAGCCNGGCCGGGGTCCGGCAGCTGGGCGGCCGTCGCGGGCCTGTGGGGGTTGCAGGCTGCTCGCACTGCNACTGGTGCCTGGACCCGGCGCGCGCGCTCTTCTAANATCACCTTCGAGGCTTCCTGGACAACGNCAAGCAGTGCTTCTNACGAGGACATCGCTCAGGGCACCCAAGTGCACCCTGGGAGTTCCAGTGATTACTGGTGGTCACTGATNATGTAGATTGTCGATTAGAAGATCCTGATGGTAAAGTGTTATACAAAGAGATTNNAGTAACAGTNTGGTAATTTTTACCTTNNACAGNCTTCCAAAAAGGGGGACATN

## HSRDN17R (SEQ ID NO:7)

NACACATAAAACTGTATATTTTGATTTTNAAGTTGGAGAAGACCCACCTTTN TTTCCTAGTGAGAACCGAGTNAGTGCTCTTACCCAGATGGAATCGCCTGTGT TTCAATTCACGAGGCTCTGA

## HASAA31R (SEQ ID NO:8)

TTTCTTTTGAAAAGCTTTTTCTCAGATAAAAGAACCACCACAACTCGTGTTGG
ATCATAACTACGTTTTGAGAATTGATGCACCATTGCCACTGTAATATTGCTGT
CCTCTAATTAATTTTAGGTACTGAAGAACTTAATATTGGCAACATTTTTAAAT
CCTTACTCATACACTTGTTGGGAGGGATGTACAATGCATATTCCCAAACTGT
GGAAAGGACACCTTTTTTTATTTGTAAAGGTGGNAAAACTTTGGAACTCATT
TTGGGCTATTCATGTTAAATATTCAACACCAATGATCTACTCTGTTCGCAGTT
GTTTATATCTACTCTTCGGACACTAAACTTNGTATTTTGGNTCCNTTTAACCT
TT

#### HPFCQ85R (SEQ ID NO:9)